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RELIABILITY PREDICTION

Model : PSP-1000 Data:2003-03-03

Style	Part Type	Q'ty	λ_g	π_Q	λ_{eg}	%
9.1	Resistor-Film, Insulated (RL)	182	0.003700	10	6.734000	40.179
9.1	Resistor-Film, Variable (RVC)	4	0.040000	10	1.600000	9.547
9.1	Resistor-Thermistor (RTH)	2	0.001400	10	0.028000	0.167
10.1	Capacitor-Metal, Plastic (CH)	58	0.000510	10	0.295800	1.765
10.1	Capacitor-Ceramic(Gen.) (CK)	20	0.001700	10	0.340000	2.029
10.1	Capacitor-Aluminum Dry (CE)	52	0.001300	10	0.676000	4.033
6.1	Diode-Gen. Purpose Analog	4	0.003600	8	0.115200	0.687
6.1	Diode-Switching	40	0.000940	8	0.300800	1.795
6.1	Diode-Fast Recovery Power Rectifier	4	0.023000	8	0.736000	4.391
6.1	Diode-Power Rectifier / Schottky Power	24	0.002800	8	0.537600	3.208
6.1	Diode-Voltage Ref/Reg. (Avalanche & Zener)	18	0.003300	8	0.475200	2.835
6.1	Diode-Transient Suppressor/Varistor	2	0.002900	8	0.046400	0.277
6.10	Diode-Thyristor/SCR	2	0.002500	8	0.040000	0.239
6.3	Transistor-NPN/PNP	18	0.000150	8	0.021600	0.129
6.4	Transistor-MOSFET	8	0.014000	8	0.896000	5.346
6.11	OPTO-isolator	6	0.027000	8	1.296000	7.733
5.1	Linear Microcircuits	12	0.009500	10	1.140000	6.802
11.1	Transformer Switching	2	0.000610	3	0.003660	0.022
11.2	Coil Fixed inductor or choke	10	0.000032	3	0.000960	0.006
13.1	Relay-General Purpose	2	0.049000	2.9	0.284200	1.696
15.1	Connector- Rectangular	10	0.050000	2	1.000000	5.967
17.1	Single Connections-Reflow solder	1216	0.000069	1	0.083904	0.501
17.1	Fuses Clip-Clip Termination	4	0.000120	1	0.000480	0.003
22.1	Fuses	2	0.010000	1	0.020000	0.119
16.1	Plated Through Hole Circuit Boards	2	0.022000	2	0.088000	0.525
Total Failure rate:					16.759804	100%

- **Data Base: MIL-HDBK-217F ,Notice 2, Parts Count**

MTBF: 59666.57 **hrs**

- **Env.: GB**
- **Exclude: FAN**

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